

## Product datasheet for **MG213514**

### 4930505A04Rik (NM\_001100394) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	4930505A04Rik (NM_001100394) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4930505A04Rik
Synonyms:	RP23-145N4.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213514 representing NM_001100394 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGAGAGGAGAAGCAGCAACAGCATAAACAGAAGATGATGGTATAGCGTGTGTAGCTGAAAGAA  
AAGTAGAAATCAAAAATGAAAAAGTCCTGGGAAAAGCACACAACACCCAAAACCATGTGTGGACAGAAG  
ACGTGTAAATTATGCTAAATTCATACACACAAATGCAAGAACATAACAACGAGCCAGTTCCTACATTGAT  
AATAAAGGGCCAGAAAAGCAGAGAAAATGGTGGTCCATAATGAAGCACAAAACATGTCTCCCAACCAT  
CTTATGACACAAAAGTGTCCAGCGGAGTGACTCCAGAAGCCAGCATGCCCATTTGGTTTTGCCAGTCAA  
ACACAGCCGGATGCAAAAAGCCTTCTTGTGGAATAGTTCACCTTACCAGTCTGGATGTATCAGGAGAACAT  
GAGAACAATTTGTAGAATACATCTCTTTTATACATCAATATGATGCCAGGAGAAGTCCCAATGAACCCA  
TCAAAGGAAAGAAACATGGAACCTTCGTGCAGAGAGAGATAAAACTAGGGGCTATGCCAATAGTTCCTAA  
GGCACCGGAGGTATTATTGAACACTCTAGAGTCAGGTTTCATCAGAACAGCCCCAAAAACAGACAAAGGA  
AATTCATCAGGAGACAAAGTGACCTCACCAGGCCTATGCCAACAGAATCCCAAGAGTTGCTGGAGACT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG213514 representing NM\_001100394  
 Red=Cloning site Green=Tags(s)

MEGEEKQQQHKTEDDGIACVAERKVEIKNEKSPGKSTQHPKPCVDRRRVNYAKFIHTNARTYNEPVPYID  
 NKGPEKQRKWWFHNEAPKHVSQPSYDTKSVQRSDFQKPACPLVLPVKHSRMQKPCGIVPLTSLDVSGEH  
 ENNFVEYISFIHQYDARRTPNEPIKGGKHGTFVQREIKLGAMPIVPKAPEVLLNTLESGSSEQPKTDKG  
 NSSGDKVTSPGLCQQNSQELLE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001100394

**ORF Size:** 699 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001100394.1](#), [NP\\_001093864.1](#)

**RefSeq Size:** 944 bp

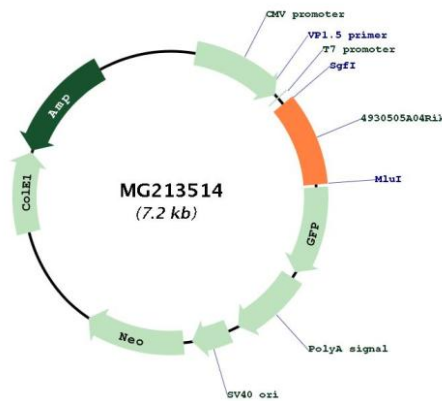
**RefSeq ORF:** 702 bp

**Locus ID:** 75087

**UniProt ID:** [Q5SPV6](#)

**Cytogenetics:** 11 A4

**Product images:**



Circular map for MG213514